

FIG. 1

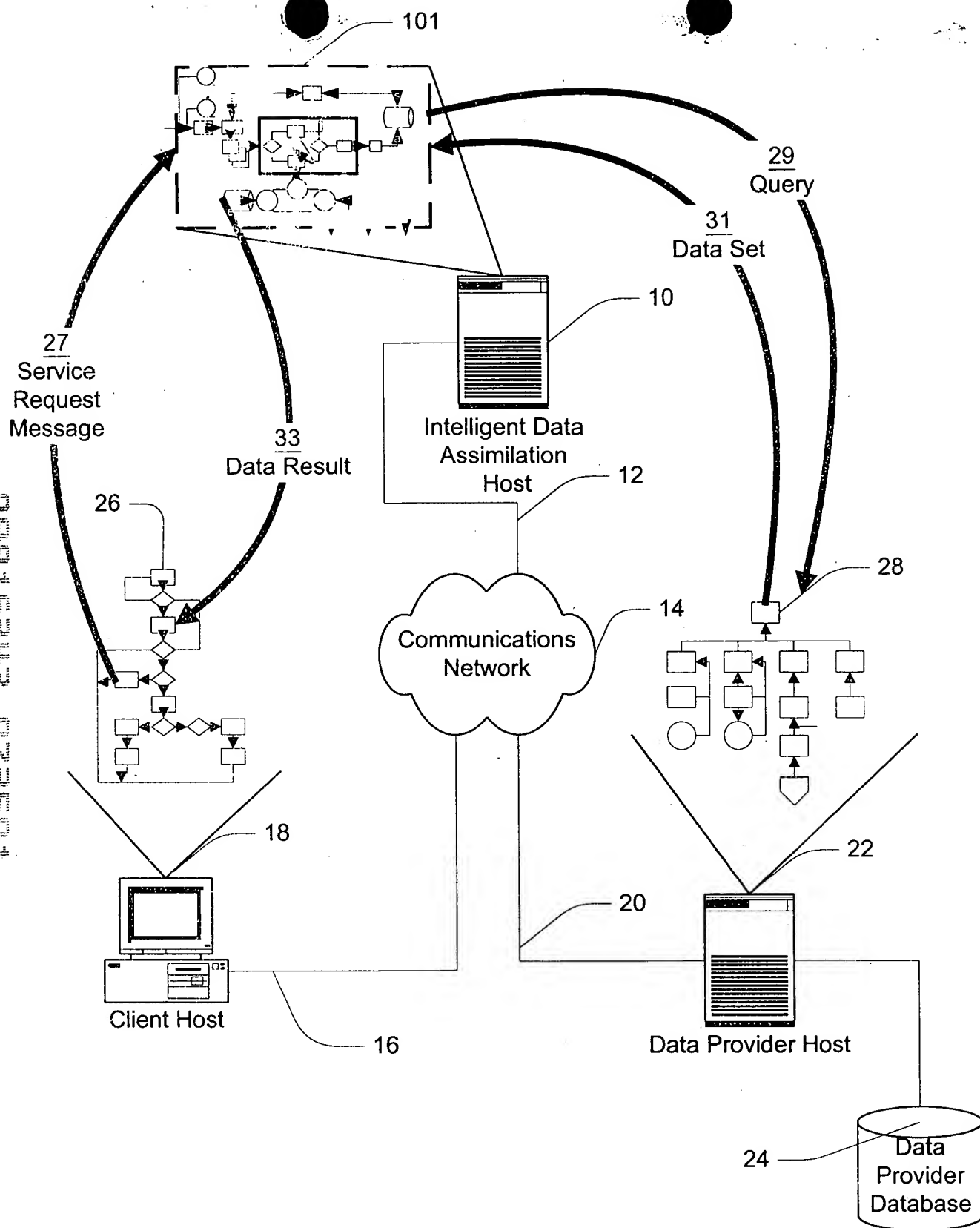


FIG. 1

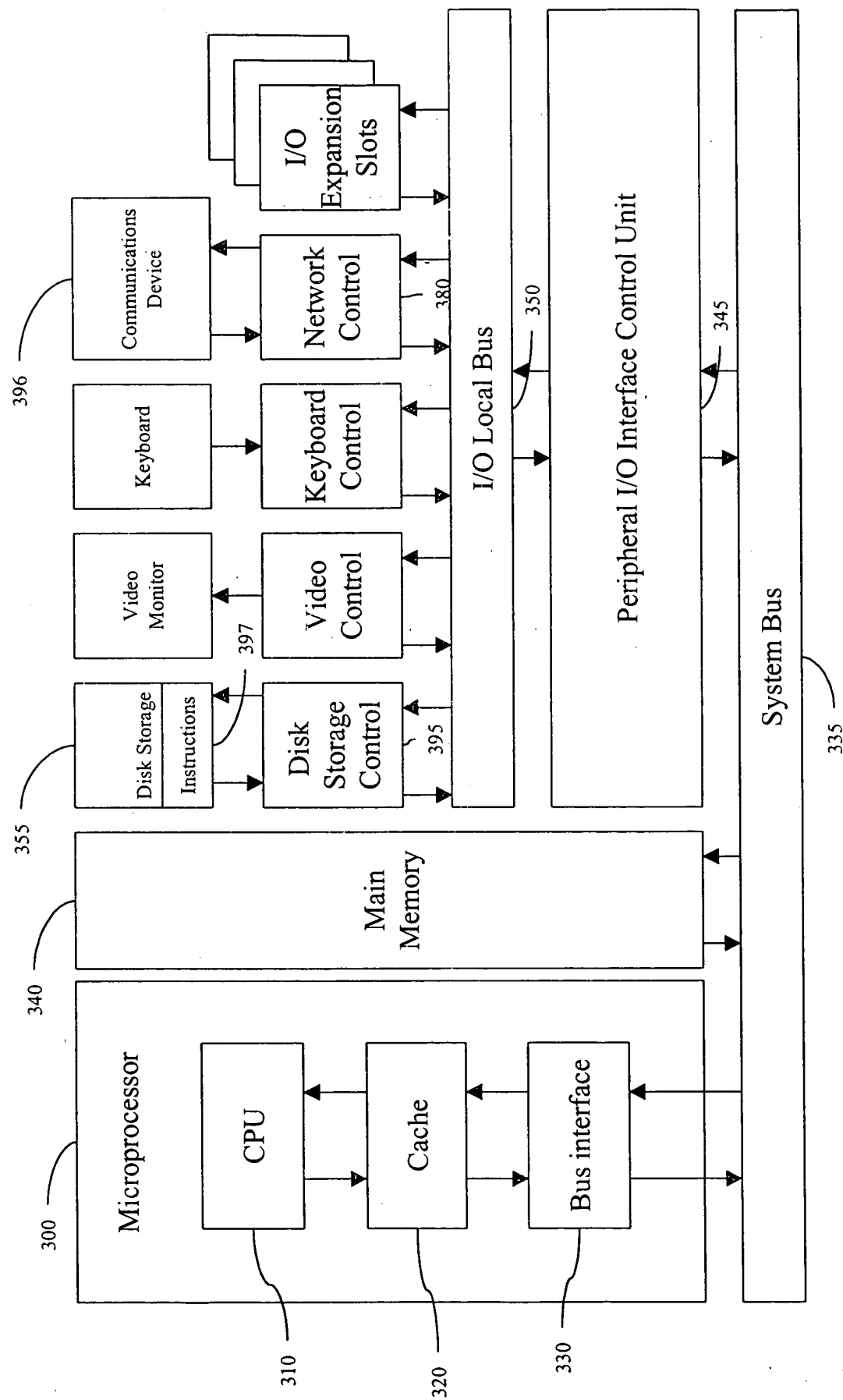


FIG. 2

FIG. 3

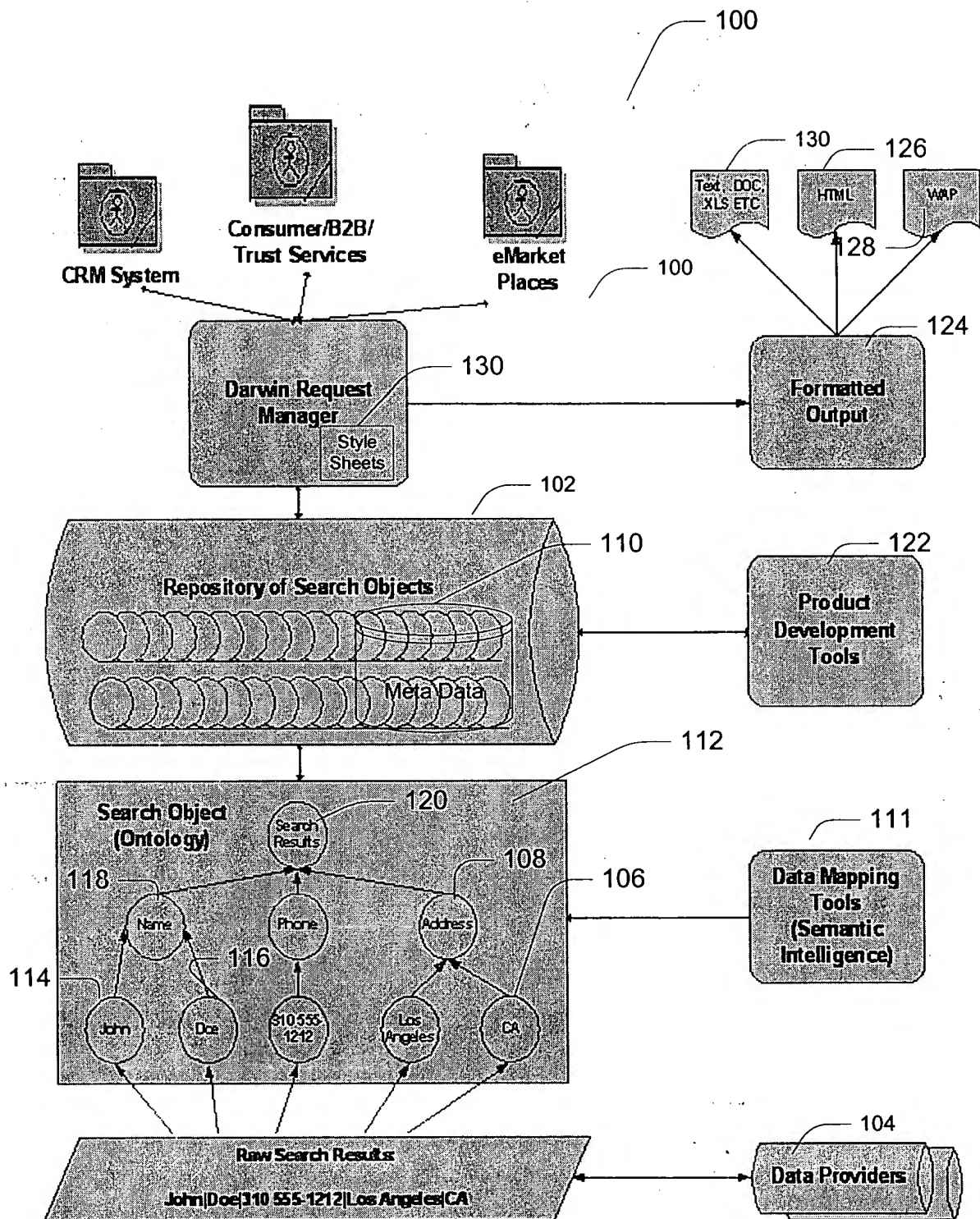


FIG. 3

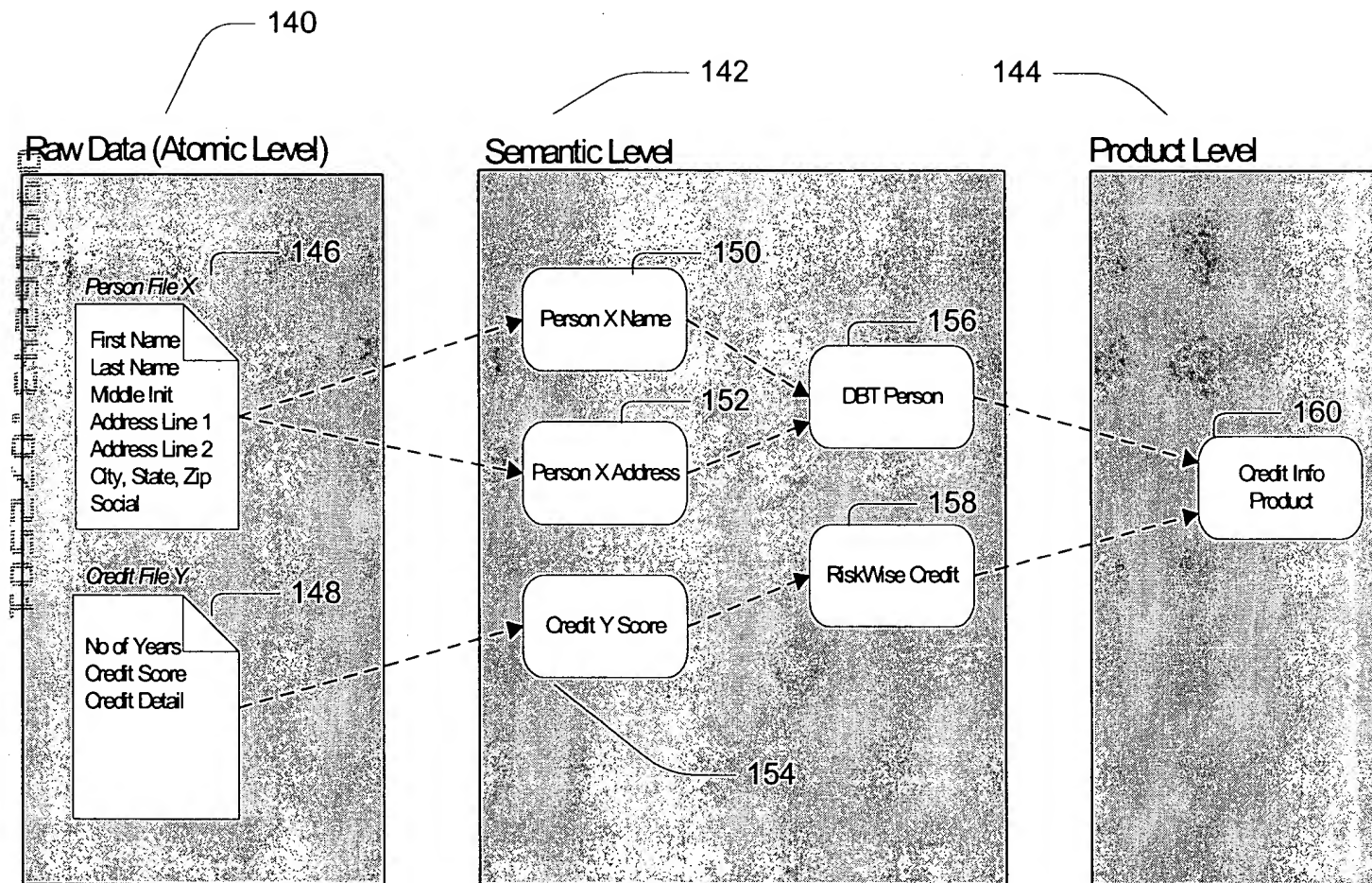


FIG. 4

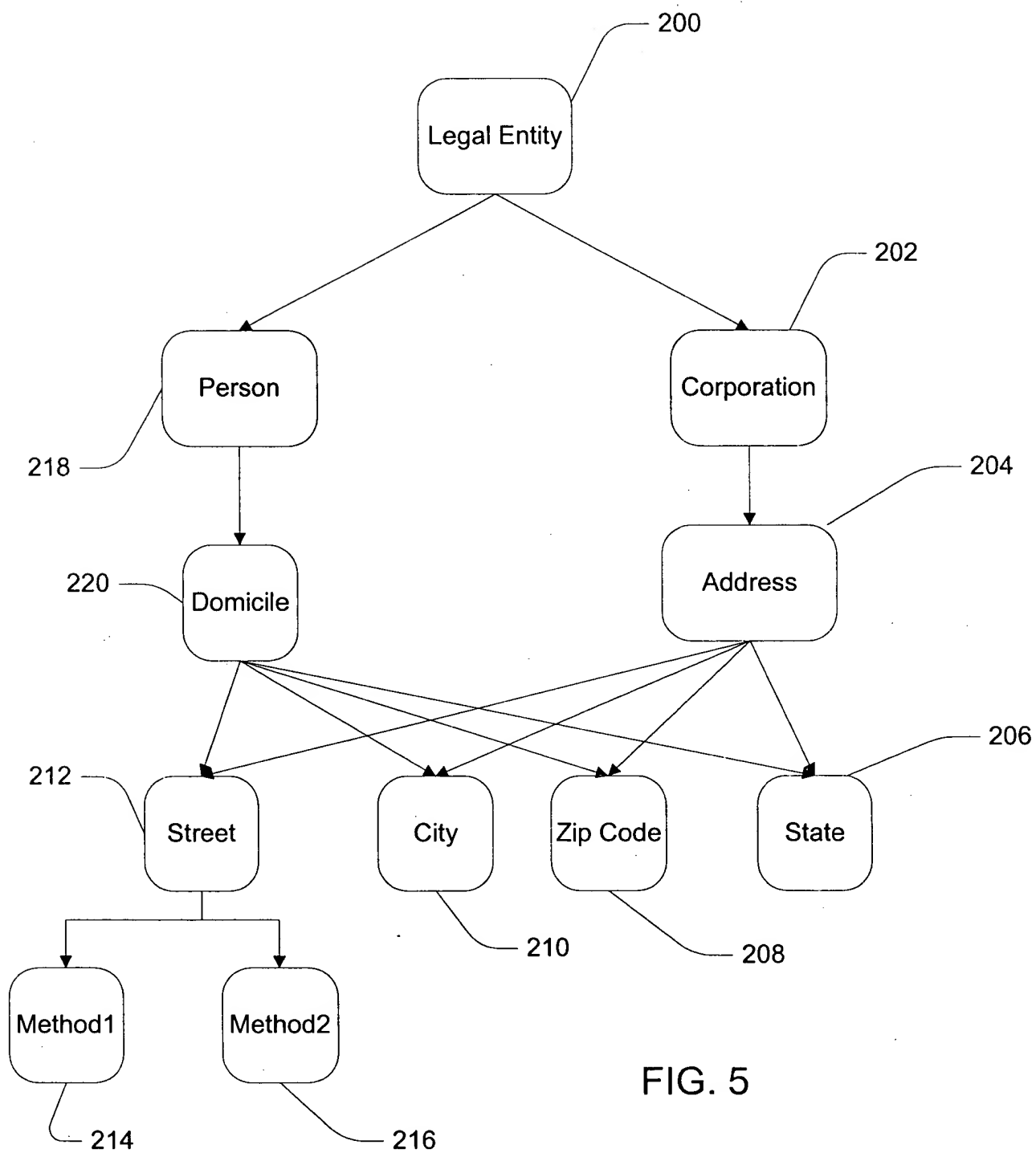


FIG. 5

FIG. 6

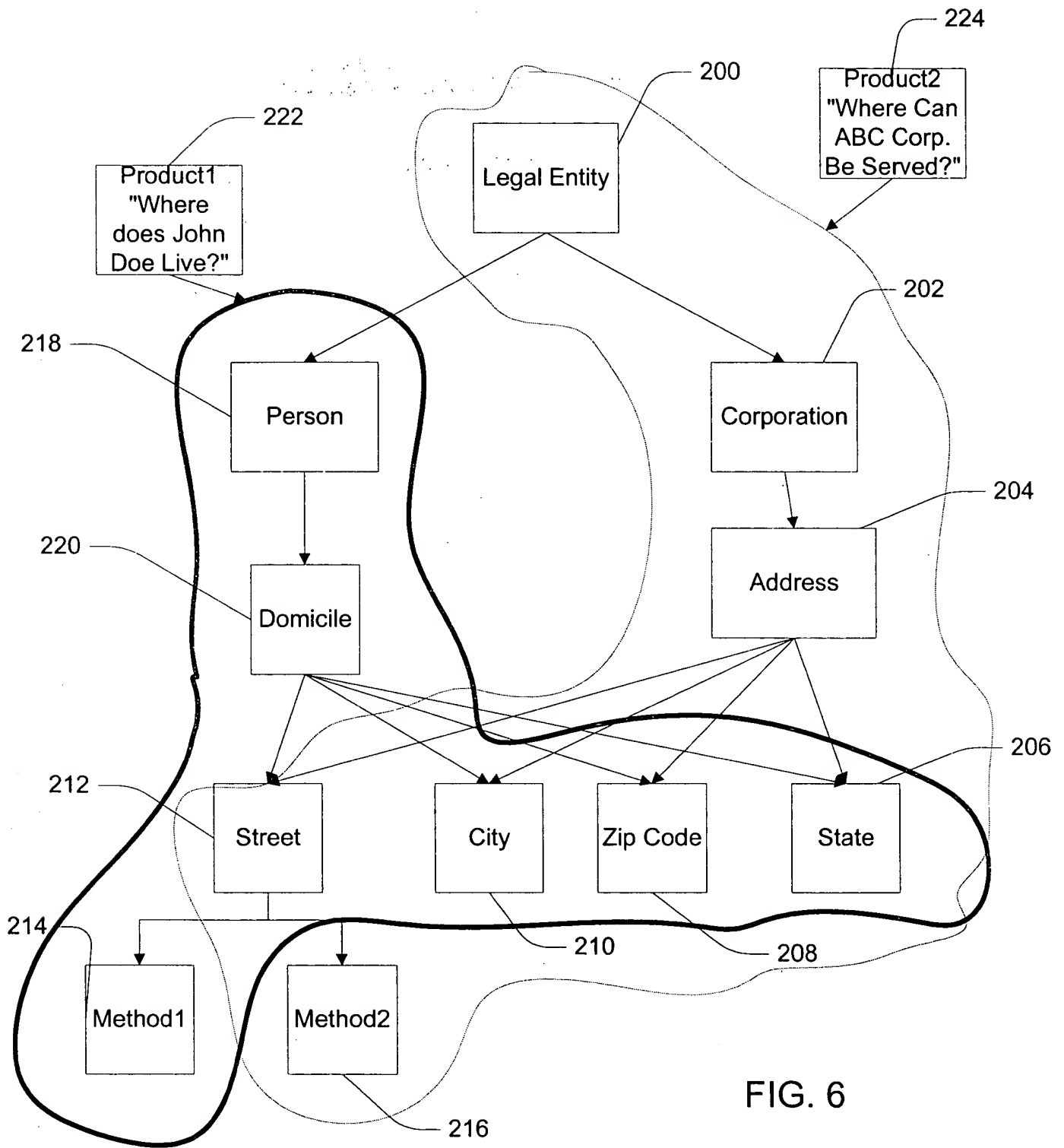


FIG. 6

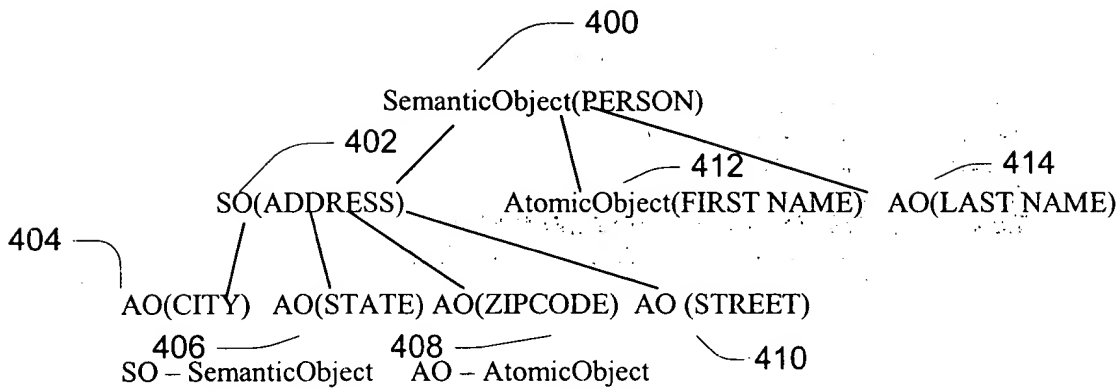


FIG. 7a

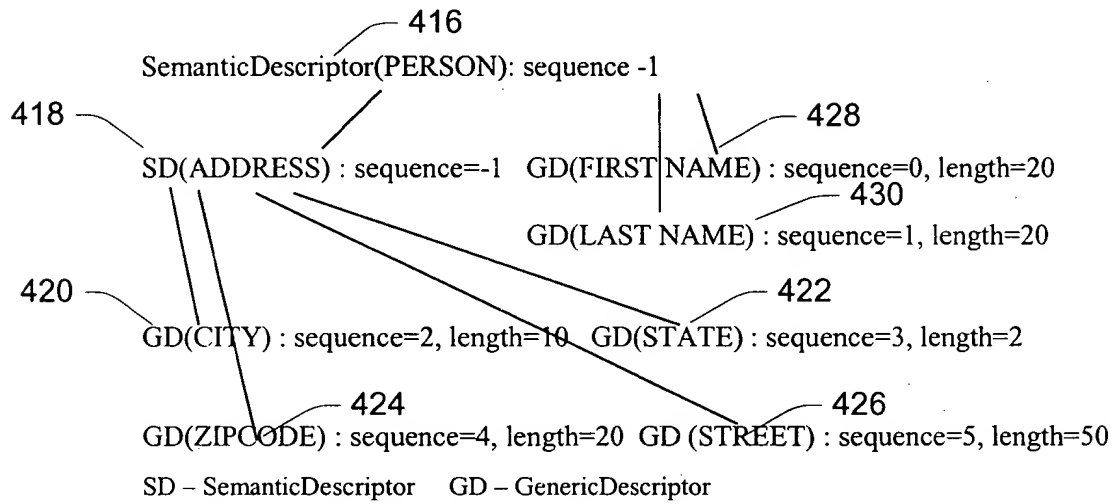


FIG. 7b

workflow defined through workflow interface

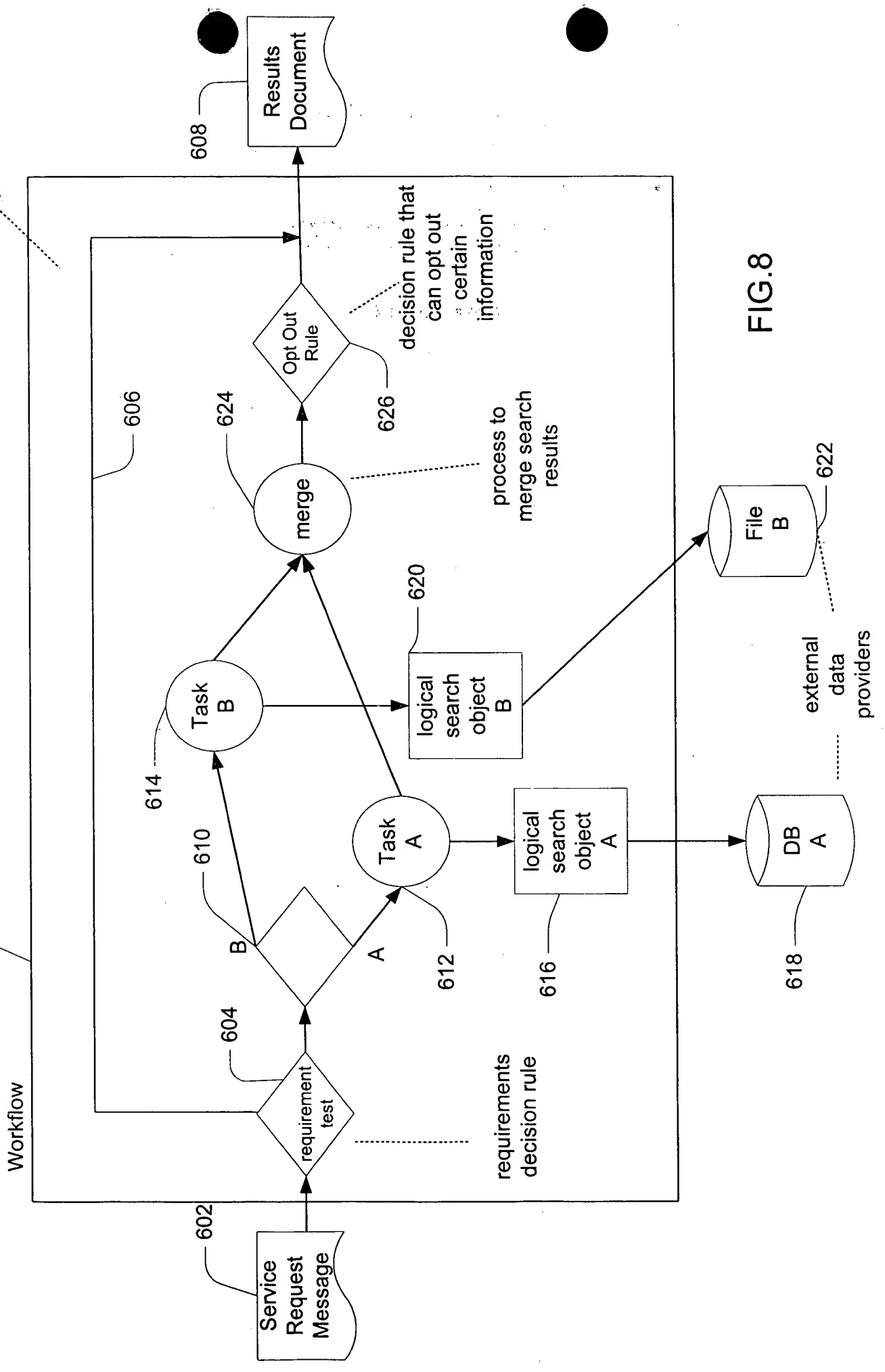


FIG.8

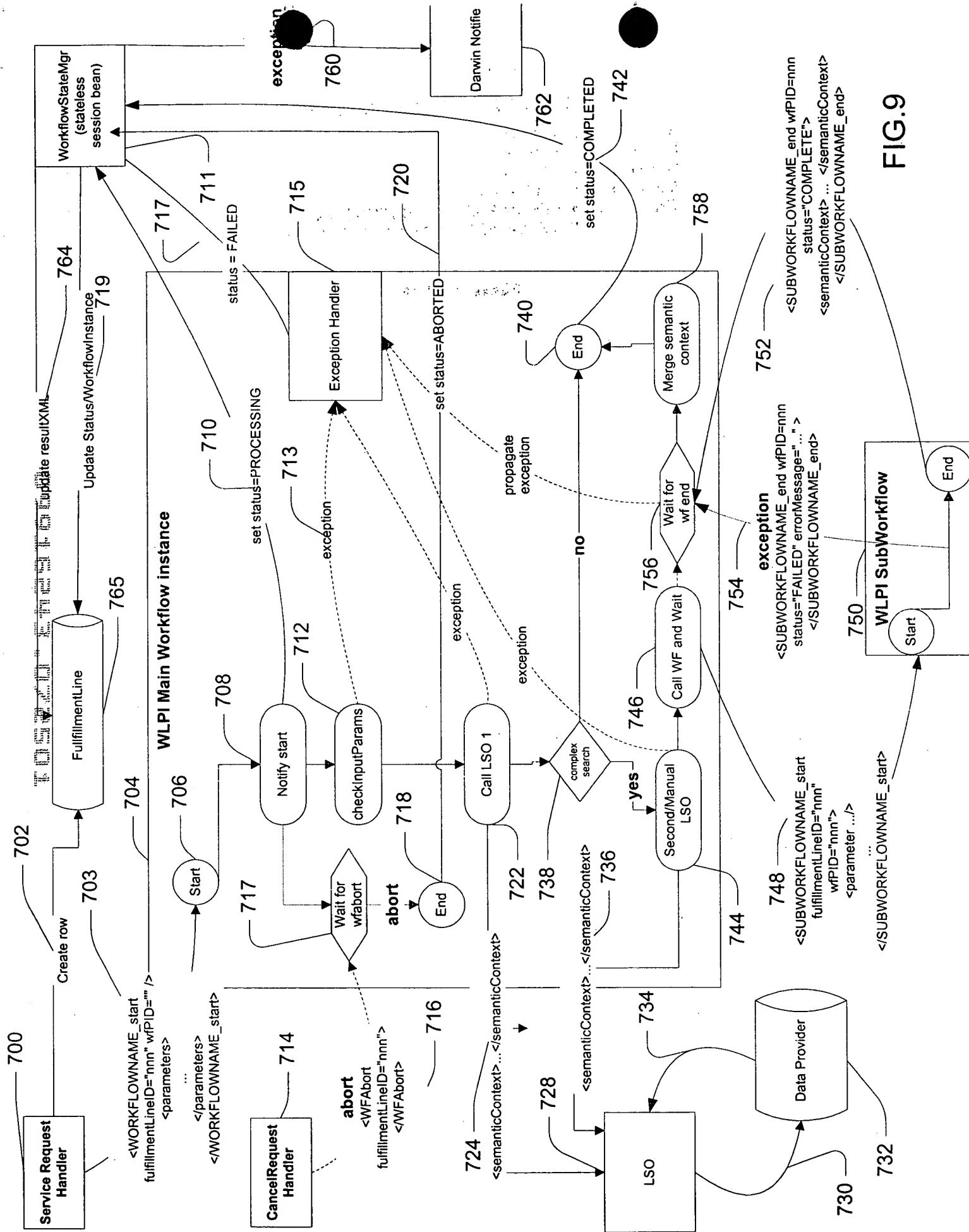
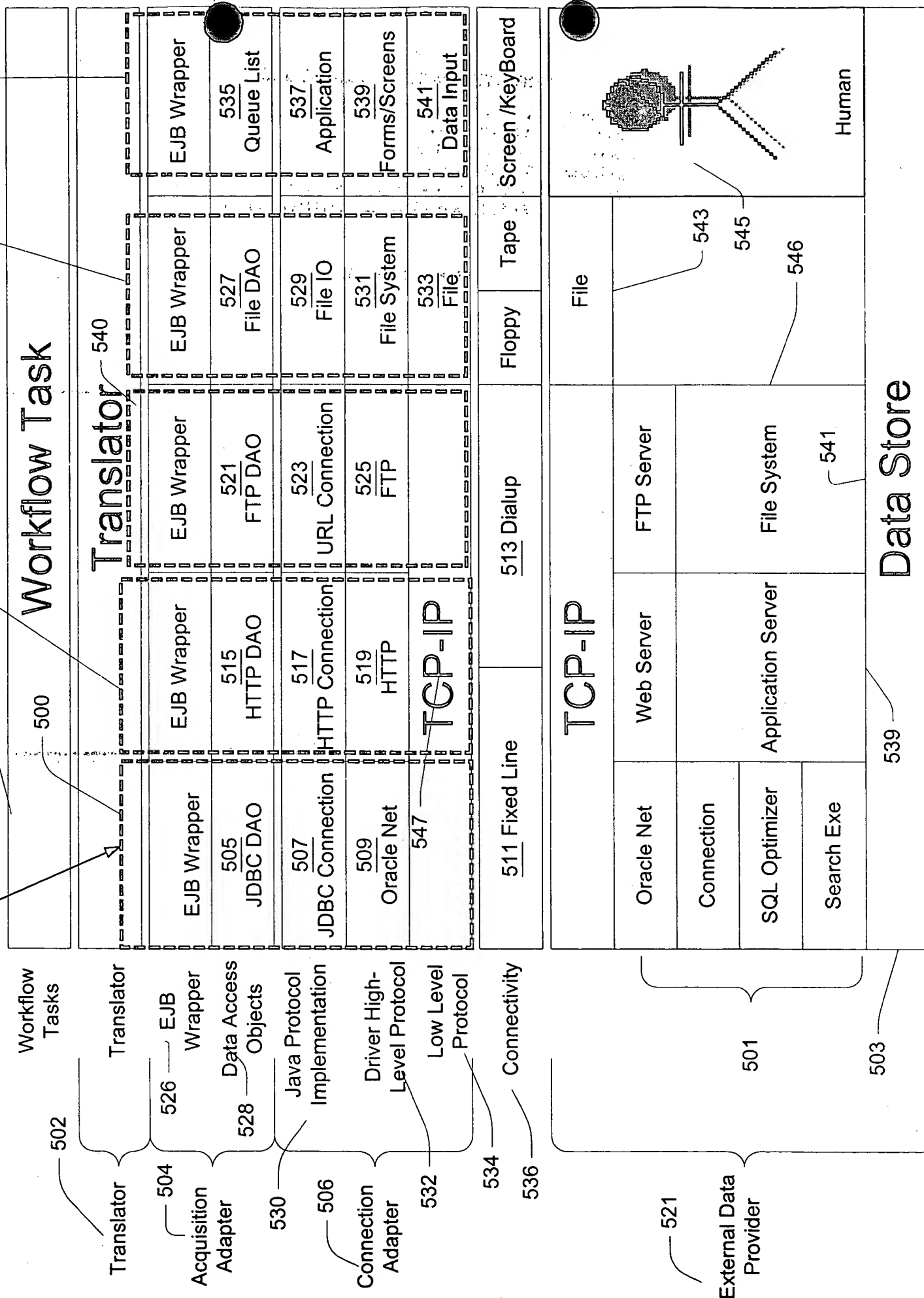


FIG.9

[illegible]

FIG. 10

Logical Search
Object



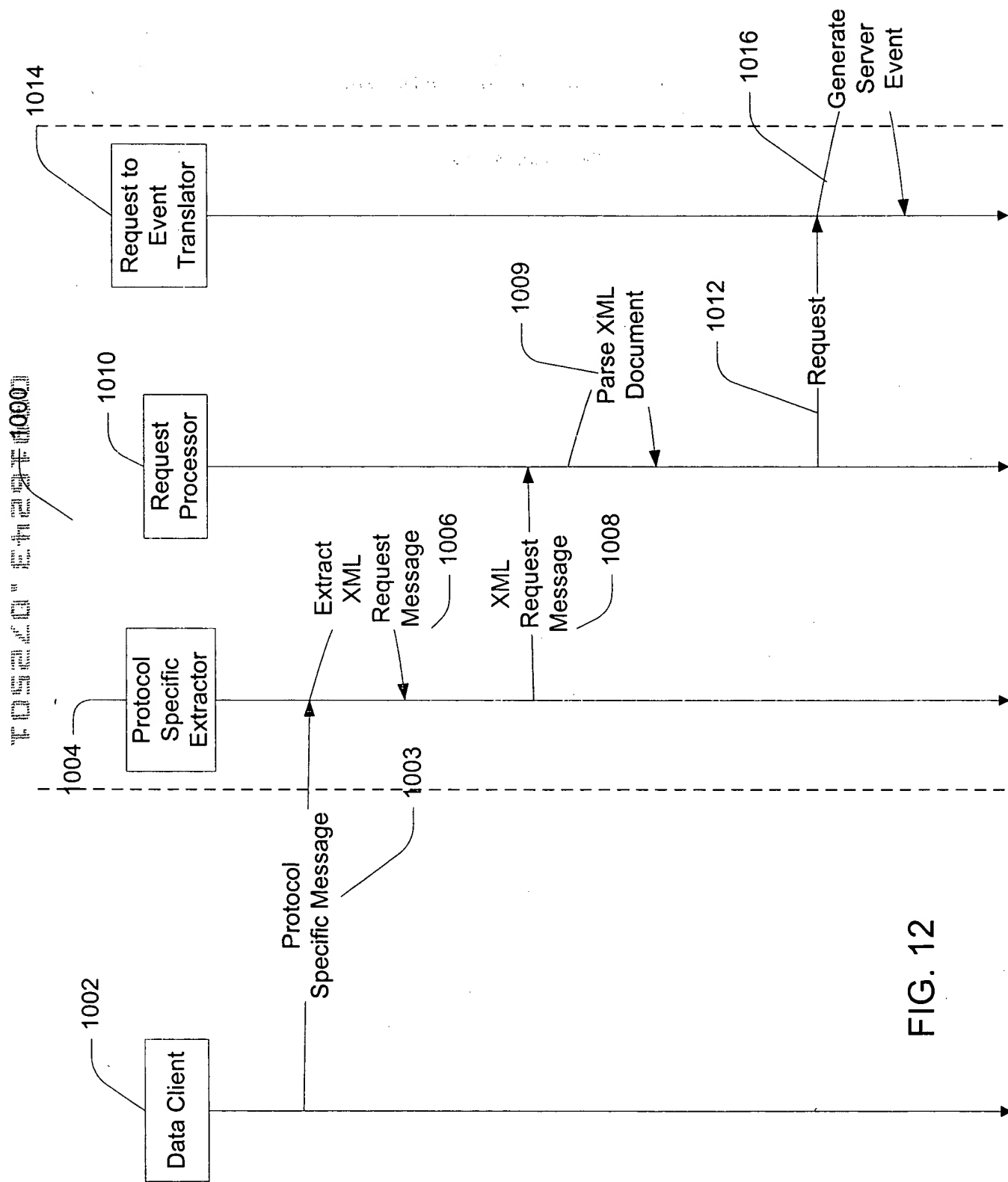


FIG. 12

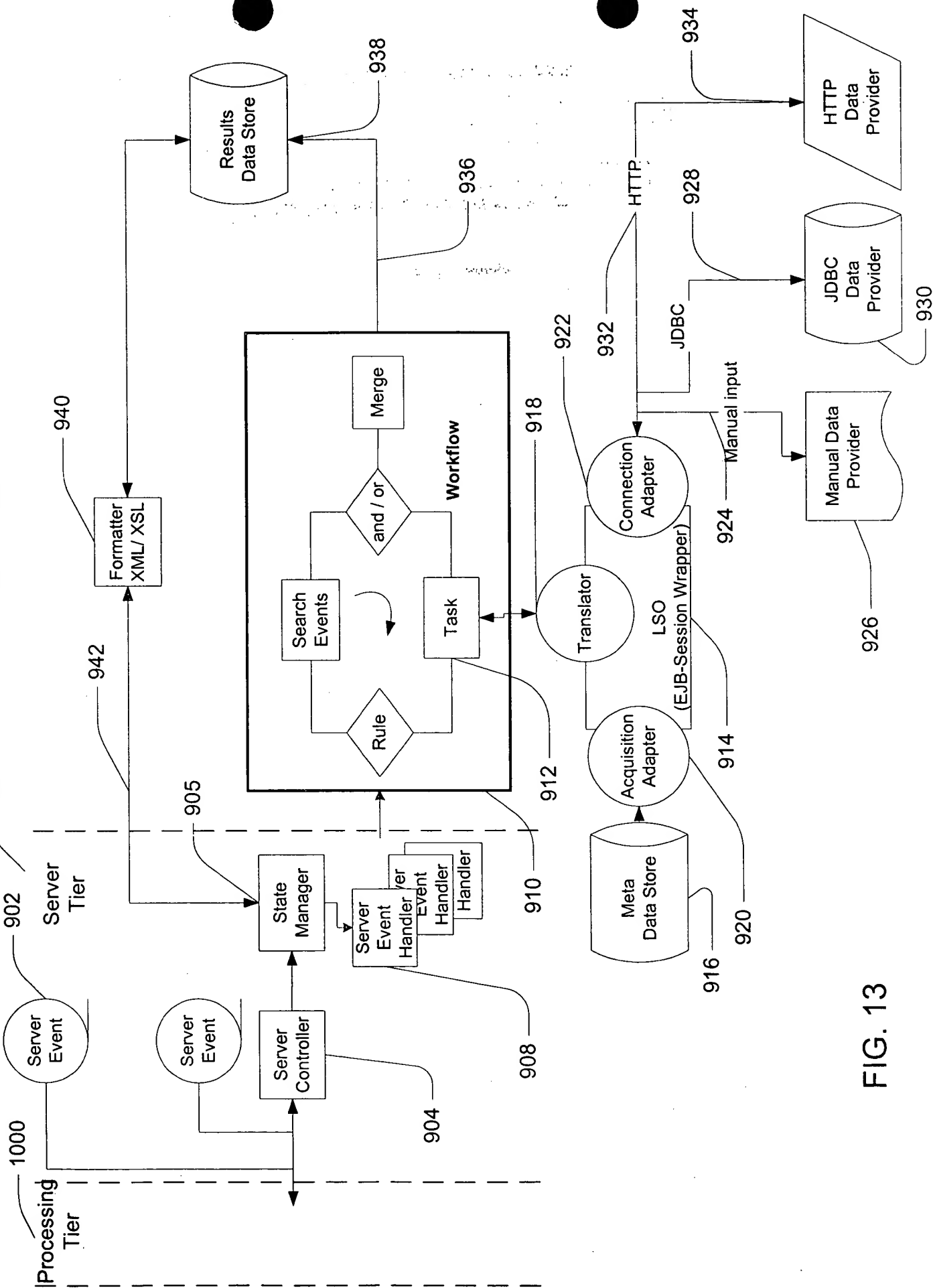


FIG. 13

Sample Service Request Message

<?xml version="1.0" encoding="UTF-8"?>
<message type="ServiceRequest" source-id="com.searchco">
 <data>
 <service-request message-id="11001100">
 <service-item sku="CSRASearch" item="1">
 <parameter name="firstname" value="John" />
 <parameter name="lastname" value="Smith" />

 <notification type="email">
 <parameter name="address"
 value="John.Smith@company.com" />
 <format style="email" />
 </notification>

 <result-format>
 <format style="csra-results" />
 </result-format>

 <results>
 </results>
 </service-item>
 </service-request>
 </data>
</message>

FIG. 14

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Sample Status Messages

```
<?xml version="1.0" encoding="UTF-8"?>
<message type="Status" source-id="com.searchco" >
  <data>
    <status message-id="1010010101">
      <status-request item="1" IDAS-id="394" />
      <status-request item="2" IDAS-id="488" />
      <status-request item="3" IDAS-id="506" />
      <status-request item="4" IDAS-id="13892192312" />
    </status>
  </data>
</message>
```

~1118
~1119
~1120
~1122
1124

FIG. 15

FIG. 15

Sample Cancel Messages

<?xml version="1.0"?>

<message type="Cancel" source-id="searchco">

<data>

<cancel message-id="1234567890">

<cancel-request item="1" IDAS-id="1234567890" />

<cancel-request item="2" IDAS-id="2345678901" />

</cancel>

</data>

</message>

FIG. 16

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Sample Output Request Messages

<?xml version="1.0"?>
<message type="OutputRequest" source-id="searchco"> ~1134
 <data> ~1136
 <output message-id="1234567890"> ~1138
 <output-request item="1" IDAS-id="1234567890"> ~1140
 <format style="pdf" /> ~1142 }
 </output-request> 1141
 <output-request item="2" IDAS-id="2345678901">
 <format style="html" />
 </output-request>
 </output>
 </data>
</message>

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FIG. 17

Sample Response Messages

Sample of a message return when a service request has been accepted.

<?xml version="1.0"?>
<message type="Response" source-id="IDAS">
 <data>
 <service-response message-id="1010010101">
 <response item="1" result="Success"
 request="Order" IDAS-id="345234234">
 <response-value>Workflow started at 01:23pm
 September 4th</response-value >
 </response >
 <response item="2" result="Success"
 request="Order" IDAS-id="345234234">
 <response-value >Workflow started at 01:23pm
 September 4th, 2001</ response-value>
 </response>
 </service-response>
 </data>
</IDAS-message>

FIG. 18